WHAT IS CLAIMED IS:

1.   A system using a computer system to provide computing as a product
to a user, where computing is supported through a dynamic computing environment,
the system comprising:

an interface to present components of a dynamic computing environment to
the user;

an interface to accept user inputs for selection of components of a dynamic
computing environment;

an interface to accept user inputs specifying a configuration of the dynamic
computing environment;

a framework for creating the dynamic computing environment from allocable
resources; and

an interface for the user to compute on the dynamic computing environment.

2.   The system of claim 1, wherein the components include hardware
components wherein hardware components comprising:

computing devices or CPUs; and

storage devices.

3.   The system of claim 1, wherein the components include software
components wherein software components comprising:

operating systems; and

applications software.

4.   The system of claim 1, wherein the components include network
components wherein network components comprising:

network switches and ports in switches;

network routers or gateways; and

network security elements wherein network security elements include
firewalls.

5.   The system of claim 1, wherein the components include virtual
components comprising:

software licenses;

network connections with specified bandwidth; and

IP addresses or subnets where a subnet is a range of IP Addresses.

6.   The system of claim 1, wherein the system further comprising:

2   a configuration manager that can save user configurations as components in

3   the database;

4   wherein the interface to present components can present configurations as

5   components to the user.

1   7.   The system of claim 6, wherein the system further comprising:

2   an interface to accept user inputs for scheduling computing sessions;

3   a scheduler to keep track of scheduled sessions and to reserve resources for

4   sessions and to release the resources once a computing session is completed;

1   8.   The system of claim 1, wherein all the interfaces are web-based user

2   interfaces accessible through a web client device i.e., a browser.

1   9.   A method to provide computing as a product the method comprising:

2   the step of presenting components of a dynamic computing environment;

3   the step of accepting user inputs for choices of components;

4   the step of accepting user inputs for configuration of the dynamic computing

5   environment from the chosen components;

6   the step of creating a dynamic computing environment from the configuration

7   in response to user inputs for configuration; and

8   the step of present the dynamic computing environment to the user.

1   10.   The method of claim 9, wherein the components include hardware

2   components wherein hardware components comprising:

3   computing devices or CPUs; and

4   storage devices.

1   11.   The method of claim 9, wherein the components include software

2   components wherein software components comprising:

3   operating systems; and

4   applications software.

1   12.   The method of claim 9, wherein the components include network

2   components wherein network components comprising:

3   network switches and ports in switches;

4   network routers or gateways; and

5   network security elements wherein network security elements include

6   firewalls.

1   13.   The system of claim 9, wherein the components include virtual

2   components comprising:

3	software licenses;
4	network connections with specified bandwidth; and
5	IP addresses or subnets where a subnet is a range of IP Addresses.
1	14. The system of claim 9, wherein components include user
2	configurations.
1	15. The system of claim 14, wherein the method further comprising :
2	the step of accepting user inputs for scheduling computing sessions;
3	the step of scheduling requested sessions and reserving resources for sessions;
4	and
5	the step of releasing the resources once a computing session is completed;
6	
1	16. A system of using a computer system to provide computing as a
2	resource to a user, wherein the system comprising:
3	a framework for providing a dynamic computing environment using allocable
4	resources; and
5	wherein the dynamic computing environment is used for computing by the
6	user.
1	17. The system of claim 16, wherein
2	a first user computes on a first dynamic computing environment;
3	a second user computes on a second dynamic computing environment; and
4	the first and the second dynamic computing environment exist concurrently
5	and share the allocable resources;
1	18. The system of claim 17, wherein the system further ensures that:
2	the first user has secure access to the first dynamic computing environment;
3	
4	the second user has secure access to the second dynamic computing
5	environment;
6	
7	the first user's computing has no impact on the second dynamic computing
8	environment; and
9	the second user's computing has no impact on the first dynamic computing
10	environment;

19. The system of claim 16, wherein the system further comprises a resource monitor that monitors the allocable resources to guarantee the Quality of Service requirements of the user.

20. The system of claim 19, wherein the system further comprises a usage meter that measures the usage of the components of the dynamic computing environment.

21. The system of claim 20, wherein the system further includes a billing subsystem to convert the usage measurements and the quality of service to a bill price for the user.

22. The system of claim 21, wherein the billing subsystem is a pay-per-use billing system.

23. The system of claim 21, wherein the billing subsystem is a periodic billing system.

24. The system of claim 21, wherein the billing subsystem is an installment billing system.

25. The system of claim 21, wherein the billing subsystem is a combination of one or more billing systems.

31. An apparatus for providing computing as a packaged product to a user, where the package is a dynamic computing environment on which the user computes, the apparatus configured to perform the following method:

accepting one or more user inputs for components of the dynamic computing environment and configuration of the same;

configuring the dynamic computing environment;

presenting the package as a product to the user;

billing the user for the product based on the price of the components.

32. The apparatus of claim 31, further configured to perform the steps:

accepting a schedule of one or more user computing sessions;

scheduling the sessions and reserving resources for the dynamic computing environments for those sessions; and

releasing the resources on session completion.